

10 Oct Durham CT Nutmeg @FG 4pm sat set up Jim N1IZF 203 349 3353 F

15,16 Oct Rochester NH Hoss Traders @FG ex13 off rt 16 \$5 noon fri K1RQG

17 Oct Cambridge MA FLEA at MIT Nick 617 253 3776 F  
 buy \$2@9A sellers \$10/sp@7A \$8in adv  
 3rd Sunday Each Month April thru October

23,24 Oct Waltham MA Photographica 10-5 \$5 ~photo~ (bef 9PM) 617 965 0807 F

30 Oct Nashua NH NE Antique RC \$5@8 \$1@9 @ Res Ctr Church Ray 508 865 1290

30 Oct E. Lyme CT Tri City ARC Auction @Sr Citz Ctr 10- KA1BB 203 739 8016 7+

31 Oct Poughkeepsie NY Mt Beacon ARC @HS \$10@6A \$5@8 Ken KL7JCQ 914 485 9617 F+

7 Nov Selden NY NYC-LI ARRL Section Convention Steve WB2WAK 516 887 9789 A

13 Nov Plymouth MA Mayflower RC @Mem Hall 9-3 sell@8 Jim NM1F 508 747 2224

13 Nov Boston MA Metro Radio Sys 808 Comm Av 11-5 s\$35 Julie 617 969 3000

14 Nov Branford CT SCARA @intrm sch Brad WA1TAS 203 265 9983 T

21 Nov Mattapoisett MA @KoC B\$1 S\$10 Ken 508 993 3993 F

5 Dec Fall River MA BCRA @Bank St Ar \$2@9 \$5/15@8 Tom WA1LBK 508 674 4163 T+

~~~~~

| 1994                                                        | Contact    | Source          |
|-------------------------------------------------------------|------------|-----------------|
| ~~~~~                                                       |            |                 |
| 15 Jan Marathon NY SkylineARC @ Civic C 7A \$2B \$5Sell     |            |                 |
| 16 Jan Mattapoisett MA @KoC B\$1 S\$10                      | Ken        | 508 993 3993 F  |
| 22 Jan Nashua NH NE Antique RC \$5@8 \$1@9 @ Res Ctr Church | Ray        | 508 865 1290    |
| 19 Feb Marlborough MA Algonquin ARC @MS \$2@10 \$12@8       | Ann KA1PON | 508 481 4988 +  |
| 20 Feb Mattapoisett MA @KoC B\$1 S\$10                      | Ken        | 508 993 3993 F  |
| 26 Feb Milton VT @HS 8AM                                    | Mitch      | 802 879 6589    |
| 27 Feb Westford MA Boston Antique RC                        | John       | 508 371 0512 T  |
| 20 March Mattapoisett MA @KoC B\$1 S\$10                    | Ken        | 508 993 3993 F  |
| 10 April Framingham MA @ HS \$14@8 \$5@9 \$2@10             | Barry WN1N | 508 877 4947 F+ |

~~~~~

\*\*\*\*\*  
 Additions/ Corrections via Internet w1gsl@athena.mit.edu  
 US Mail W1GSL POB 82 MIT Br Cambridge MA 02139  
 SASE for updated copy as issued.

P 2 of 2

1994	Contact	Source
17 April Cambridge MA FLEA at MIT 3rd Sunday Each Month April thru October	Nick 617 253 3776	F
29 30 April 1 May Dayton OH		F
15 May Cambridge MA FLEA at MIT	Nick 617 253 3776	F
21 May Forestdale RI RIFMRS @VFW 8A	Rick K1KYI 401 725 7507	+
30 May Whitman MA WARC @Rt 14+18 sell@\$10/sp (monday)	617 447 1277	F+
5 June Newington CT @HS Flea + ARRL HQ OH	Al N1JWF 203 747 1925	T
19 June Cambridge MA FLEA at MIT	Nick 617 253 3776	F
17 July Cambridge MA FLEA at MIT	Nick 617 253 3776	F
13 Aug Charlotte VT @Old Lantern CG 8A- \$5 su 3P Fri Dave	N1ERD 802 893 7660	T
21 Aug Cambridge MA FLEA at MIT	Nick 617 253 3776	F
27 Aug Gardner MA MARC @Drive-in \$5@6 \$2@8	Bill WJ1Y 508 939 2643	T
17 Sept Forestdale RI RIFMRS @VFW 8A	Rick K1KYI 401 725 7507	+
18 Sept Cambridge MA FLEA at MIT	Nick 617 253 3776	F
25 Sept Framingham MA @ HS \$14@8 \$5@9 \$2@10	Barry WN1N 508 877 4947	F+
1-2 Oct Boxboro MA NE Div Conv.	Gene W1VRK 617 631 7388	A
16 Oct Cambridge MA FLEA at MIT	Nick 617 253 3776	F

LAST UPDATE 9-27-93 de W1GSL P 2 of 2  
 Source F= Flyer J= John Roberts list A= ARRL list WR NV 73 CQ QST = Mags  
 T= tentative early info D= W1DL + = new info this month  
 This list has been compiled from many sources. While we believe the info to

be accurate the author can not be responsible for changes or errors.  
Check with the sponsoring organizations for more details.  
This list will be posted monthly to Usenet if additions have been made.  
Mailed copies are sent when additions are made.

\*\*\*\*\*

Additions/ Corrections via Internet w1gsl@athena.mit.edu  
TCPIP w1gsl@gw.w1mx.ampr.org  
AX.25 w1gsl@wa1phy.#ema.ma.usa  
US Mail W1GSL POB 82 MIT Br Cambridge MA 02139  
SASE for updated copy as issued.

-----  
Date: Sat, 2 Oct 1993 18:51:49 GMT  
From: news.service.uci.edu!paris.ics.uci.edu!csulb.edu!library.ucla.edu!agate!  
usenet.ins.cwru.edu!nshore!fmsysm!andrews@network.ucsd.edu  
Subject: Any MARS Members??? (req #2)  
To: info-hams@ucsd.edu

Hello again from the computer of N8OFS / AAN5HJT,

I would first like to thank the following;

Paul W. Schleck	KD3FU	pschleck@unomaha.edu
Vikki Welch	WV9K \NNN0AEE	vikki@seastar.org
John Welch	N9JZW \NNN0WYZ	jvw@seastar.org
Jeff	AA0IJ \AFA3EC	(lost address!!!)
Mark Helfen	KM6FM \NNN0FOIT	markh@miro.com
Anthony Reeves	AB6GA \NNN0RFL	areeves@netcom.com

and I would like to thank MR. Schleck for these others;

Betsey Doane	K1EIC	\navymars Doane@CCSUA.CTStateU.Edu
John Monson	WB0PLW	\AAA9EC johnm@is.sprint.com
Jeffrey C. Miller	NH6ZW/N8\AFA1HE	jmilller@afit.af.mil
Roger H. Taylor, PE	K9ALD	\AFA3WG rtaylor@ux1.cso.uiuc.edu

I am still looking for more MARS (any branch) to chat with, etc...

Mr. Schleck and Vikki Welch brought to my attention the possibilty of  
a MARS mailing-list. After dicussing this with my sysop (macy@fms.com)  
I think it might be a feasable idea in the near future.

I would also like to know the times and frequencies of ANY MARS VHF  
Nets (ex Army of course) in the Northern Ohio Area. Please send this  
info via e-mail because of the classified nature.

So long for now...

--

Tell Me Something I Don't Know,                   ! HAM       =       N80FS  
Show Me Something I Can Use,                   ! ARMY MARS = AAN5HJT  
Push The Buttons,                               ! CB =           THE NEON KNIGHT  
Connect The God-Damn Dots!!! - Ministry ! HACKER =    TH3 N30N KN1GHt

-----  
Date: Thu, 30 Sep 1993 02:04:39 GMT  
From: iris.mbvlab.wpafb.af.mil!blackbird.afit.af.mil!afit.af.mil!  
tkelso@uunet.uu.net  
Subject: Call for Abstracts (SPACECAST 2020)  
To: info-hams@ucsd.edu

#### CALL FOR ABSTRACTS

#### AIR FORCE STUDY

on

#### Technology and Innovative Applications of Space Hardware

The United States Air Force is conducting a study to identify creative technologies and innovative applications of hardware that will support national security well into the next century. Air University at Maxwell AFB, Alabama is chairing the study, which will be called SPACECAST 2020. The product will recommend specific technologies and applications that have the greatest potential.

Included in the first phase of this effort is the solicitation of "brainstorming" abstracts from government agencies, industry, academia, and private individuals. The Air Force Institute of Technology at Wright-Patterson AFB, Ohio will handle these abstracts for the study. Abstracts are needed in three areas:

1. Emerging research technologies that, if exploited, can significantly improve the capabilities of our space systems (to include satellite design, reliability, remote sensing, data processing, power production, stealth, etc.).
2. Innovative space systems and applications for military purposes.
3. Prior studies and briefings on future military space systems.

If you have information in these areas, please provide one-page abstracts that include:

1. A brief description of the concept.
2. Your understanding of the concept's military application and associated technical risks and tradeoffs.
3. Your name and how you can be contacted.

Please remember the emphasis is on NEW or INNOVATIVE technologies and uses for systems that could be fielded by the year 2020. Also, please limit responses to one abstract per page with classification no higher than SECRET. Your support is appreciated.

Abstract submittal by 15 October 1993 is requested. However, abstracts submitted by 1 March 1994 will be included in the study. Please submit abstracts to:

AU SPACE STUDY TECHNOLOGY TEAM  
AFIT/ENA (AFIT/ENAS if abstract is classified)  
2950 P STREET  
WRIGHT-PATTERSON AFB OH 45433-7765

EMAIL: AUSPACE@AFIT.AF.MIL  
FAX: DSN 986-7302 or (513) 476-7302  
PHONE: DSN 785-7210 or (513) 255-7210

--

Lt Col TS Kelso	Deputy Chief, Technology Assessment Team
tkelso@afit.af.mil	Spacecast 2020
auspace@afit.af.mil	Air Force Institute of Technology

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Date: 1 Oct 1993 09:16:59 GMT  
From: swrinde!cs.utexas.edu!math.ohio-state.edu!magnus.acs.ohio-state.edu!  
wvanhorn@network.ucsd.edu  
Subject: eliminating RFI from hf rig to PC  
To: info-hams@ucsd.edu

Garry -

You have a lot of r.f. in your shack. Isolating the keyboard helped, but the basic cause is still there. My guess is that you either have a grounding problem, or unbalanced feedlines to your antenna, or maybe both. At least those were my problems when I had the same symptoms.

First thing is to be sure you have a good ground on your entire system. Be sure to use only one ground point for all your gear, then

take that ground to an outside groundstake, not to a water pipe. If your problem is only on one band, it may be because the lead from your common ground point in the shack to the outside ground is an odd number of quarter wavelengths on that band. That becomes essentially an open circuit at that frequency and you have no ground at all. Run a second lead in parallel with the first but make it a different length of wire. (You should do that anyway).

Next, make sure your antenna feedline is tuned flat.

If you still have problems (I did), you may have a ground loop via the third wire on the a.c. plug to your rig. The solution to that is to isolate the rig at r.f. from the house ground with an r.f. choke, or in some other way.

Good luck.

73, Van - W8UOF  
wvanhorn@magnus.acs.ohio-state.edu

-----  
Date: Thu, 30 Sep 1993 17:49:39 +0000  
From: news!demon!llondel.demon.co.uk!dave@uunet.uu.net  
Subject: first sos in history  
To: info-hams@ucsd.edu

In article <1993Sep28.173817.20711@super.org> weh@hume.super.org (Bill Holmes) writes:

>A trivial question that we would really appreciate some help on  
>is "what ship sent the first sos signal?

>

>The second question that we would also really like to know is  
>what signal was used for distress before the sos signal.

>

Can't help with the first one, but the second was something like:

'Please can someone help us because our ship is sink'.....

No wonder it got shortened :-)

Dave

--

\*\*\*\*\*  
\* G4WRW @ GB7WRW.#41.GBR.EU AX25 \* Start at the beginning. Go on \*  
\* dave@llondel.demon.co.uk Internet \* until the end. Then stop. \*  
\* g4w1w@g4w1w.ampr.org Amprnet \* (the king to the white rabbit) \*

\*\*\*\*\*

-----

Date: Fri, 1 Oct 1993 22:06:22 GMT  
From: news.service.uci.edu!paris.ics.uci.edu!news.claremont.edu!  
elroy.jpl.nasa.gov!sdd.hp.com!hpscit.sc.hp.com!hplextra!hpfcso!hplvec!  
scott@network.ucsd.edu  
Subject: HTs Airlines and Morris  
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, jangus@skyld.tele.com (Jeffrey D. Angus) writes:

>Not at all, just in general I have learned to ask for a clarification when  
>told "thems is the rules".

As do I, usually. I do, however, choose when it's worthwhile to cause a  
stir and when it's not. This situation would have come under the  
heading of "it aint' worth it" to me, but to each his own.

> Oh and I'm sorry about the eralier gaffe, that was Socrates not Aristotle  
> that said, "Question authority". I'm surprised nobody noticed that yet.

I kinda like the .sig from a fellow HP employee (wish I could take  
credit, but I can't.)

"Question authority... and the authorities will question you."

Choose your battles wisely.

Scott Turner N0VRF scott@hplsla.LVLD.HP.COM  
HP VXi Systems Division

-----

Date: Sat, 2 Oct 1993 20:20:51 GMT  
From: news.Hawaii.Edu!uhunix3.uhcc.Hawaii.Edu!jherman@ames.arpa  
Subject: Hunter harrassment  
To: info-hams@ucsd.edu

In article <28kb50INNirb@emx.cc.utexas.edu> oo7@emx.cc.utexas.edu (Derek Wills)  
writes:

>swood@vela.acs.oakland.edu (Scott Wood) rabbits on and on:

>

>>>Basically the law goes after anyone intentionally [sic] obstructing or  
>>>hindering the hunter or trapper in the legal taking of game. In last  
>>>years [sic] case, DNR was called out to handle the incedent [sic]. etc...

>



>  
>Could someone explain to me what this has to do with amateur radio?  
>Are we supposed to be out there protecting these persecuted hunters?  
>  
>  
> >>. 01 Opening day of early Archery Deer season in Michigan!!!!!!  
>  
> Yay! Kill them deer!!!!  
>  
> >>. 03 Opening day of Duck/Waterfowl season (U.P. of Michigan)  
>  
> Hey!! Shoot them ducks!! Who needs stupid waterfowl!!  
>  
> >>. 04 Opening day of Michigan fall Wild Turkey (permit only)  
>  
> Turkeys? BLAM BLAM!!  
>  
> >>All Month Small game season is still open!!! (rabbit, squirrel, bird)  
>  
> Goody goody!! Smash rabbits!! Kill squirrels!! Squash birds!!  
>  
>KILL!! SQUASH!! QRZ THE FREQUENCY!! BANG!!  
>  
>So where do I go to harrass these fine sensitive yoomans?  
>  
>  
>Derek "BANG!! DIE!!" Wills (AA5BT, G3NMX)  
>Department of Astronomy, University of Texas,  
>Austin TX 78712. (512-471-1392)  
>oo7@astro.as.utexas.edu

Hey Derek, let's go out there on weekends with pots and pans to bang on to scare away the poor little critters; that certainly can't be misconstrued as harassing the hunters, for our actions would be directed at the animals not the hunters/killers.

Sorry folks, I deleted the above dates of the start of each killing season by 'accident'.

These hunters must be relatives of the Khmer Rouge soldiers of Cambodia (see the movie "The Killing Fields").

Okay, now back to amateur radio...

Jeff NH6IL (as a young pistol: WA6QIJ)

-----

Date: Fri, 1 Oct 1993 10:38:00 GMT  
From: yeshua.marcam.com!news.kei.com!ub!acsu.buffalo.edu!ubvms.cc.buffalo.edu!  
oopdavid@uunet.uu.net  
Subject: Low angle radiation  
To: info-hams@ucsd.edu

In article <1993Sep30.210045.22547@PacBell.COM>, sjhawk2@srv.PacBell.COM (Stephen Hawkins) writes...

>In the book,  
>Amateur Radio Techniques by the Radio Society of Great Britain  
>Seventh Edition

>

>Pg. 281

>Speaking of the early sixties he says:

>

>"Careful tests by the Americans showed clearly that the h.f.  
>broadcasting stations controlled by the USSR and China were  
>consistently out-performing their own, the British, and the  
>Japanese stations. The Moscow and Peking signals seemed to be  
>getting through on higher frequencies, for longer periods and at  
>greater strength than those from other transmitters of comparable  
>power. Equally interesting was the observed ability of these  
>particular transmissions, a few minutes after coming on the air,  
>or changing frequency, to peak up suddenly in strength in the  
>particular areas to which the programmes were being beamed; this  
>did not seem to be due to power increase since the signals in  
>non-target areas showed no corresponding increase.

>

> To account for these observations, it was suggested that the  
>Russian and Chinese stations were in fact located at very high  
>sites, and that this might make possible extremely low-angle  
>radiation. Furthermore it was thought that a technique must have  
>been developed whereby the vertical angle of radiation could be  
>carefully controlled and changed to make optimum use of this  
>ability; possible using some form of back scatter to allow the  
>transmitter engineers to determine just when the optimum  
>conditions had been achieved. All these theories suggested that  
>the Russians had developed ways of utilizing propagation modes  
>other than those described in the classic textbooks. ..."

>

>The article continues and goes on to make some interesting  
>statements about what may be possible. My question is; has anyone  
>ever read about or heard about this else where. I would be very  
>interested in learning more about techniques for propagating R.F.  
>at the low angles talked about. If anyone knows anything about  
>this or where I can get any information please email or post the  
>information to me. Thank you de Steve Hawkins WV6U

Well, Steve there are many examples of this in amateur practice. The observations are emperical, but serve as excellent learning tools. First, W1 stations consistantly out perform more in land stations on DX contests. They are generally on high points overlooking the ocean. Second, this topic is covered by Dave Leeson in his text on yagi design. Suggest you read it. I belive in this philosophy quite strongly, although there is no single model of ionospheric propagation that will explain the dynamics of signal movement across the earth. 73, Dave.  
KN2M

-----  
Date: Fri, 1 Oct 1993 09:57:01 CET  
From: swrinde!cs.utexas.edu!uwm.edu!spool.mu.edu!nigel.msen.com!yale.edu!newsserver.jvnc.net!gmd.de!dearn!esoc!estec!scunnane@network.ucsd.edu  
Subject: walkman - radio transmitter  
To: info-hams@ucsd.edu

Can anyone tell me if such a thing exists to allow me to play my walkman on the car radio ? What I'm looking for is something to plug into the headphones socket of the walkman that transmits a radio signal that can be picked up by the car radio ?

Thanks, Shane Cunnane.

-----  
Date: Fri, 1 Oct 1993 19:14:51 GMT  
From: yeshua.marcam.com!zip.eecs.umich.edu!destroyer!vela.acs.oakland.edu!rcsuna.gmr.com!kocrsv01!c23g1c@uunet.uu.net  
Subject: YAESU  
To: info-hams@ucsd.edu

F.Y.I.

My spell checker detects and offers changes for:

Crysler = Chrysler  
Cheby = Chevy

But my spell checker does NOT detect:  
ICOM, KENWOOD, ALINCO, or YAESU

I guess everyone is not as liderate as you. :)

73's Keep a chip up ol' chap... there may be many people ahead of you on the

literary field too.

No flames intended... just another point of view.

Don't post rubbish to the net... I don't log on here often.

TNX

--

-----  
Date: 28 Sep 93 00:30:08 GMT  
From: microsoft!wingnut!edmitch@uunet.uu.net  
To: info-hams@ucsd.edu

References <tpang.748427299@sfu.ca>, <1993Sep19.145537.28803@ke4zv.atl.ga.us>, <CDMG5w.Ln5@news.Hawaii.Edu>  
Subject : Re: Emergency: cellular vs ham (was Re: Yagi for Cellular Phone?)

I'm perplexed at the number of reports people have had with ill tempered hams. What started as a discussion of cellular versus hams, become a discussion on what's wrong with ARES and clubs, etc and is now turning into a bucket dumping of bad experiences.

Guess I've been very lucky. I've been a ham since I was 14 and I'm now 34. I've lived in numerous areas up and down the west coast. I can't think of any situations where I felt I was treated poorly by other hams.

I've seen outstanding Amateur Radio emergency communications in each area. A few times I've seen some pretty absent minded behaviour too, but that's the exception.

Clubs do seem to be predominated by older guys with older thoughts but thats because retired folks have more time than two wage earner family members to go to meetings. And if most older people are like my mom, they do seem to be "set in their ways" (actually she's pretty hip compared to most but she went thru a phase where there was an often lot of talk about the way we used to do things being better ... that's all a part of elderly personality that has nothing to do with hamdom.)

I'd like to leave this note with a positive outlook on ham radio. I've found most of the hams I've known to go out of their way to be friendly and helpful. Like on our honeymoon trip finding a note from another ham who spotted my callsign license plates and who wished us well - a total stranger who had only one thing in common with us. Or the next door neighbor who saw me having trouble stringing an antenna yesterday - so he came over with his hot rod sling shot. Turns

out he used to be an active SWL and his Dad was a ham - so he knew how to string a dipole quite well! This kind of behaviour is actually pretty normal ham experience.

Or the ham who pops up on frequency to help with a phone patch - and doesn't care if

I'm a member of the repeater group or not. Even gives me the access codes over the air (okay, so that was when I lived in a rural area). Or the dozens and dozens of hams who've come out to help me at public service events time after time.

I'm sorry that so many of you have not had such pleasant experiences. This fraternity really isn't that bad -- unless I've just been soooooo lucky.

Ed Mitchell  
KF7VY

-----  
Date: Sat, 2 Oct 1993 19:56:26 GMT  
From: news.Hawaii.Edu!uhunix3.uhcc.Hawaii.Edu!jherman@ames.arpa  
To: info-hams@ucsd.edu

References <28f1m0\$me0@nigel.msen.com>, <28f9o9\$17q@crchh583.bnr.ca>,  
<swood.749546204@vela.acs.oakland.edu>mes  
Subject : Re: Stop hunter Harrassment in Michigan

In article <swood.749546204@vela.acs.oakland.edu> swood@vela.acs.oakland.edu  
(Scott Wood) writes:

>dover@bnr.ca (Robert Dover) writes:

>

>'|>

>'|> : In article <swood.749331809@vela.acs.oakland.edu>,  
swood@vela.acs.oakland.edu (Scott Wood) writes:

>'|> : |> Last year was the first test of the new Michigan Hunter Harrassement

>'|> : |> legislation. This year is bound to be fraught with its share of  
activism.

>--

> . 01 Opening day of early Archery Deer season in Michigan!!!!!!

> . 03 Opening day of Duck/Waterfowl season (U.P. of Michigan)

> . 04 Opening day of Michigan fall Wild Turkey (permit only)

> All Month Small game season is still open!!! (rabbit, squirrel, bird)

I wonder if these folks actually eat everything they kill, or if they  
leave the carcass behind to rot (food for the maggots I suppose).

Jeff NH6IL (as a young shot: WA6QIJ)

-----

Date: Sat, 2 Oct 1993 14:46:35 GMT

From: wupost!csus.edu!netcom.com!netcomsv!bongo!julian@decwrl.dec.com

To: info-hams@ucsd.edu

References <CE5Krx.BzA@mailier.cc.fsu.edu>, <749487961snx@skyld.tele.com>,  
<RFM.930ct1164329@urth.eng.sun.com>

Subject : Re: Astron power supply hum (was Re: Power Supplies )

In article <RFM.930ct1164329@urth.eng.sun.com> rfm@urth.eng.sun.com (Richard McAllister) writes:

>Speaking of Astron power supplies, I just got one which seems to have only  
>one flaw -- it hums a bit more than I'd like.

deleted

>I tried

>putting the PS on a piece of foam rubber (packing material from  
>a disk drive), but it didn't help much. Any other suggestions?

It sounds to me like the transformer is vibrating at 60 Hz. Determine this by taking the top off the PSU. Then using a stick or piece of tube as a "stethoscope", isolate the cause. My money says it's the transformer. You can try tightening the transformer down to the chassis just in case it is that that is vibrating. It could also be the case vibrating. But usually it is the windings vibrating against the transformer core.

The cure? Take the transformer out and soak in transformer varnish (I have used polyurathane varnish) and allow to dry in an oven. If you can locate a two part catalyst varnish, this may be better. You now should have made the windings, paper and core one homogenous mass and the vibration should have gone away.

If you can find a local transformer shop, they may do this for you. They have the materials and equipment to do a good job at a reasonable rate. One thing they use for the varnish soak/dunk is a vacuum tank to ensure that the varnish gets all the way in.

Cheap transformers - little or no varnish - often suffer from hum. But I once had to live with some Fluke equipment that hummed.

--

Julian Macassey, N6ARE julian@bongo.tele.com Voice: (213) 653-4495

Paper Mail: 742 1/2 North Hayworth Avenue, Hollywood, California 90046-7142

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End of Info-Hams Digest V93 #1172

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